

Letter from our Executive Committee

Dear Prospective Sponsor,

The Caltech CubeSat Club is a student organization of scientists, engineers, and space-enthusiasts who share a passion for scientific discovery. Established during the COVID-19 pandemic, our organization enables students to design, build, and launch their own satellite through NASA's CubeSat Launch Initiative. Our organization's hands-on projects provide students with a unique end-to-end experience from mission development to mission operations.

The Caltech CubeSat Club's current mission aims to improve our understanding of the atmosphere by investigating upper atmospheric lightning. While upper atmospheric lightning is a common phenomenon, it is still not well understood. Furthermore, although the effects of upper atmospheric lightning may seem benign, it commonly causes disruptions to aviation and space operations. There have been documented cases of upper atmospheric weather events causing communication loss and component damage. By improving our understanding of upper atmospheric lightning, our club may advance predictions of lightning storms and mitigate the risks upper atmospheric lightning poses to commercial space operations.

Our club's satellite would be the first to bring upper atmospheric study to the CubeSat platform. The CubeSat platform's low costs and technical simplicity enable us to insert the satellite into volatile conditions that would be too risky for more expensive platforms. Therefore, our satellite will enable researchers to get closer to upper atmospheric lightning than ever before. By improving our understanding of upper atmospheric lightning, we may be able to forecast lightning strikes before they occur and increase reliability of future space systems. We look forward to sharing our findings with organizations such as NASA, and our corporate sponsors to advance space operations.

Thank you for your consideration

Sincerely,

Caltech CubeSat Club Executive Committee

SPONSORSHIP OPPORTUNITIES

Benefits to sponsors:

- Opportunity to recruit the best and brightest students
 - Ranked #2 in Aerospace Engineering by US News in 2022
 - Ranked #2 University in the World by the Times Higher Education Report in 2022
- Campus brand visibility and exposure

VOYAGER SPONSORSHIP

\$10,000+

- Sponsor name and logo on the CubeSat
- Sponsor name and logo on the club website
- ... and all the benefits from the Hubble Sponsorship!

HUBBLE SPONSORSHIP

\$2,500-\$10,000

- Sponsor name and logo on all submission materials
- Invitation to lab and final tests/events
- ... and all the benefits from the Sputnik Sponsorship!

SPUTNIK SPONSORSHIP

\$1-\$2,500

- Opportunity to give public or private lectures to students
- Resumes of students on team
- Copy of team reports

ASSOCIATE SPONSORSHIP

Donation of Materials/Electronics

- Sponsor name included in all submission materials
-

Caltech CubeSat Club Sponsorship Form

Company Name: _____

Address: _____

Phone: _____

Email: _____

Yes! We would like the _____ package by donating a total amount of \$_____.

Yes! We would like to donate the following products/supplies with a value of \$_____:

Thank you for supporting the Caltech CubeSat Club.

Please email the completed form to tbumbary@caltech.edu. Feel free to contact us if you have any questions or concerns.